

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) An image switching device for switching a plurality of image outputting devices connected through a digital interface, and delivering image signals, comprising image switching control means for sending [[the]] image switching control data for selecting and controlling a desired device out of the plurality of image outputting devices to the selected image outputting device, image signal selecting means for selecting and receiving the image signal transmitted from the selected image outputting device according to the image switching control data, and synchronous signal transmitting means for transmitting a synchronizing timing signal for synchronizing the image outputting devices.

2. (Original) The image switching device of claim 1, wherein the digital interface conforms to the IEEE1394 standard, and the synchronizing timing signal and image signal to be transmitted are transmitted by isochronous communication packet.

3. (Withdrawn) The image switching device of claim 1, wherein the digital interface conforms to the IEEE1394 standard, and the synchronizing timing signal, image signal, and image switching control data of image outputting devices to be transmitted are transmitted by isochronous communication packet.

4. (Original) The image switching device of claim 1, wherein the digital interface conforms to the IEEE1394 standard, the synchronizing timing signal and image signal to be transmitted are transmitted by isochronous communication packet, and the image switching control data of image outputting devices to be transmitted is transmitted by asynchronous communication packet to the synchronous signal transmitting means, and is transferred by isochronous communication packet together with the synchronizing timing signal.

5. (Original) The image switching device of claim 2, 3 or 4, wherein the synchronizing timing signal and image switching control data of image outputting devices are transmitted at least by either isochronous communication packet not containing image data or asynchronous communication packet.

6. (Original) The image switching device of claim 2, wherein the image switching control data of image outputting devices is transmitted by asynchronous communication packet.

7. (Original) The image switching device of claim 1, wherein the image switching control data of image outputting devices contains transmission channels and transmission command to specified image outputs.

8. (Original) The image switching device of claim 2, 3 or 4, wherein the synchronizing timing signal is transmitted to all of the plurality of image outputting devices.

9. (Original) The image switching device of claim 2, 3 or 4, wherein the synchronizing timing signal is transmitted in a specific channel to plural image outputs.

10. (Original) The image switching device of claim 7, wherein the image switching control data of image outputting devices designates different transmission channels to the plurality of image outputting devices.

11. (Original) The image switching device of claim 7, wherein the image switching control data of image outputting devices designates a same transmission channel to the plurality of image outputting devices, the number of transmission frames of a desired image is a specified value, and the number of transmission frames of other images is 0.

12. (Original) The image switching device of claim 7, wherein the image switching control data of image outputting devices designates a specified transmission channel to a specified image outputting device, of the plurality of image outputting devices, and designates a same transmission channels to the other image outputting devices, the number of transmission frames of the specified image outputting device is a specified value, the number of transmission frames of one of the other image outputting devices is a specified value, and the number of transmission frames of the remainder is 0.

13. (Withdrawn) An image outputting device connected to an image switching device through a digital interface, comprising means for receiving image switching control data transmitted from the image switching device, synchronous signal regenerating means for

regenerating the synchronizing timing signal transmitted from the image switching device, and image signal transmitting means for synchronizing the image signal with the synchronizing timing signal from the synchronous signal regenerating means, and transmitting this image signal according to the image switching control data.

14. (Withdrawn) The image outputting device of claim 13, wherein the digital interface conforms to the IEEE1394 standard, and the synchronizing timing signal is received and the image signal is transmitted by isochronous communication packet, and the image switching control data is received by asynchronous communication packet.

15. (Withdrawn) The image outputting device of claim 13, wherein the digital interface conforms to the IEEE1394 standard, and the synchronizing timing signal is received, the image signal is transmitted, and the image switching control data is received by isochronous communication packet.

16. (Withdrawn) The image outputting device of claim 13, being connected to the image switching device of any one of claims 1 to 12.